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SEQUENCE LISTING

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<120> EFFECT OF STEROIDS ON NMDA RECEPTORS DEPENDS ON SUBUNIT
COMPOSITION

<130> 0146-2026

<140> 09/652,345

<141> 2000-08-31

<150> 60/151,802

<151> 1999-08-31

<150> 09/378,547

<151> 1999-08-20

<160> 6

<170> PatentIn Ver. 2.0

<210> 1

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1

Ile Leu Glu Ala Glu Leu Ala Val Glu Pro Lys Thr Glu Thr Tyr Val
1 5 10 15

Glu Ala Asn Met Gly Leu Asn Pro Ser Ser Pro Asn Asp Pro Val Thr
20 25 30

Asn Ile Cys Gln Ala Ala Asp Lys Gln Leu Phe Thr Leu Val Glu Trp
35 40 45

Ala Lys Arg Ile Pro His Phe Ser Glu Leu Pro Leu Asp Asp Gln Val
50 55 60

Ile Leu Leu Arg Ala Gly Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser
65 70 75 80

His Arg Ser Ile Ala Val Lys Asp Gly Ile Leu Leu Ala Thr Gly Leu
85 90 95

His Val His Arg Asn
100

<210> 2
<211> 93
<212> PRT
<213> Homo sapiens

<400> 2
Leu Cys Gln Leu Gly Lys Tyr Thr Thr Asn Ser Ser Ala Asp His Arg
1 5 10 15
Val Gln Leu Asp Leu Gly Leu Trp Asp Lys Phe Ser Glu Leu Ala Thr
20 25 30
Lys Cys Ile Ile Lys Ile Val Glu Phe Ala Lys Arg Leu Pro Gly Phe
35 40 45
Thr Gly Leu Ser Ile Ala Asp Gln Ile Thr Leu Leu Lys Ala Ala Cys
50 55 60
Leu Asp Ile Leu Met Leu Arg Ile Cys Thr Arg Tyr Thr Pro Glu Gln
65 70 75 80
Asp Thr Met Thr Phe Ser Asp Gly Leu Thr Leu Asn Arg
85 90

<210> 3
<211> 98
<212> PRT
<213> Homo sapiens

<400> 3
Ile Asn Leu Leu Met Ser Ile Glu Pro Asp Val Ile Tyr Ala Gly His
1 5 10 15
Asp Asn Thr Lys Pro Asp Thr Ser Ser Ser Leu Leu Thr Ser Leu Asn
20 25 30
Gln Leu Gly Glu Arg Gln Leu Leu Ser Val Val Lys Trp Ser Lys Ser
35 40 45
Leu Pro Gly Phe Arg Asn Leu His Ile Asp Asp Gln Ile Thr Leu Ile
50 55 60

Gln Tyr Ser Trp Met Ser Leu Met Val Phe Gly Leu Gly Trp Arg Ser
65 70 75 80

Tyr Lys His Val Ser Gly Gln Met Leu Tyr Phe Ala Pro Asp Leu Ile
85 90 95

Leu Asn

<210> 4

<211> 98

<212> PRT

<213> Homo sapiens

<400> 4

Val Ser Leu Leu Glu Val Ile Glu Pro Glu Val Leu Tyr Ala Gly Tyr
1 5 10 15

Asp Ser Ser Val Pro Asp Ser Thr Trp Arg Ile Met Thr Thr Leu Asn
20 25 30

Met Leu Gly Gly Arg Gln Val Ile Ala Ala Val Lys Trp Ala Lys Ala
35 40 45

Ile Pro Gly Phe Arg Asn Leu His Leu Asp Asp Gln Met Thr Leu Leu
50 55 60

Gln Tyr Ser Trp Met Phe Leu Met Ala Phe Ala Leu Gly Trp Arg Ser
65 70 75 80

Tyr Arg Gln Ser Ser Ala Asn Leu Leu Cys Phe Ala Pro Asp Leu Ile
85 90 95

Ile Asn

<210> 5

<211> 97

<212> PRT

<213> Homo sapiens

<400> 5

Ser Ala Leu Leu Asp Ala Glu Pro Pro Ile Leu Tyr Ser Glu Tyr Asp
1 5 10 15

Pro Thr Arg Pro Phe Ser Glu Ala Ser Met Met Gly Leu Leu Thr Asn

	20		25		30
Leu Ala Asp Arg Glu Leu Val His Met Ile Asn Trp Ala Lys Arg Val					
	35		40		45
Pro Gly Phe Val Asp Leu Thr Leu His Asp Gln Val His Leu Leu Glu					
	50		55		60
Cys Ala Trp Leu Glu Ile Leu Met Ile Gly Leu Val Trp Arg Ser Met					
	65		70		75
Glu His Pro Gly Lys Leu Leu Phe Ala Pro Asn Leu Leu Leu Asp Arg					
		85		90	95

Asn

<210> 6
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 6

Ile Ile Leu Leu Val Ser Asp Asp His Glu Gly Arg Ala Ala Gln Lys					
1		5		10	15
Arg Leu Glu Thr Leu Leu Glu Glu Arg Glu Ser Lys Ala Glu Lys Val					
	20		25		30
Leu Gln Phe Asp Pro Gly Thr Lys Asn Val Thr Ala Leu Leu Met Glu					
	35		40		45
Ala Arg Glu Leu Glu Ala Arg Val Ile Ile Leu Ser Ala Ser Glu Asp					
	50		55		60
Asp Ala Ala Thr Val Tyr Arg Ala Ala Ala Met Leu Asn Met Thr Gly					
	65		70		75
Ser Gly Tyr Val Trp Leu Val Gly Glu Arg Glu Ile Ser Gly Asn Ala					
		85		90	95
Leu Arg Tyr Ala Pro Asp Gly Ile Ile Gly Leu Gln Leu Ile Asn					
	100		105		110



23/32

RXR-α ILE.AELAVEPKTETYVEANMGL.NPSSPNDPVTNIC.QAADKQLFTL (SEQ ID NO. 1)
RAR LCQLGKYTTNSSADHRVQLDLGLWDKFS..ELATK.C.II.K....I (SEQ ID NO. 2)
PR IN.LLM.SIEPDV.IYAGHD.N.TKPDTSLSLLTSL.NQLGERQLLSV (SEQ ID NO. 3)
GCR VS.LLE.VIEPEV.LYAGYD.S.SVPDSTWRIMTTL.NMLGGRQVIAA (SEQ ID NO. 4)
ER SALLD.A.EPPI.LYSEYD.P.TRPFSEASMMGLLTN.LADRELVHM (SEQ ID NO. 5)
NR1011 IILLVSDDDHEGRAA.QKRLETLLERESEKAEKVLOF.DP.GTKNVTAL 207 (SEQ ID NO. 6)

RXR-α V.EWAKRIPH.FSELPL..DDQVILLRAGWNELLIA..SFSHR.SIA (SEQ ID NO. 1)
RAR V.EFAKRLPG.FTGLSI..ADQITLLKAAACLDIIML..RICTR.YTP (SEQ ID NO. 2)
PR V.KWSKSLPG.FRNLIHI..DDQITLIQYSWM.SLMV.FGLGWR.SYK (SEQ ID NO. 3)
GCR V.KWAKAIPG.FRNLIHL..DDQMTLLQYSWM.FLMA.FALGWR.SYR (SEQ ID NO. 4)
ER I.NWAKRVPG.FVDLTL..HDQVHLLCAWLEILMI..GLVWR.SME (SEQ ID NO. 5)
NR1011 LME.ARELEARVIIISASEDDAATVYRAAAM.LNMTGSGYVWLVGER 252 (SEQ ID NO. 6)

RXR-α VKDG.II.LATG.LH.VHR.N (SEQ ID NO. 1)
RAR EQDT.MT.FSDG.LT.LNR (SEQ ID NO. 2)
PR HVSGQMLYFAPD.LI.L...N (SEQ ID NO. 3)
GCR QSSANLLCFAPD.LI.I...N (SEQ ID NO. 4)
ER H.PGKLL.FAPN.LL.LDR.N (SEQ ID NO. 5)
NR1011 FISGNALRYAPDGIIGLQLIN 273 (SEQ ID NO. 6)

FIG. 23